

Ofoglee Infusion Injection

Ofloxacin I.P. 200mg + Sodium Chloride I.P. 900mg Infusion

Description

Ofloxacin 200mg + Sodium Chloride 900mg Infusion is a sterile intravenous solution used for the treatment of bacterial infections. Ofloxacin is a broad-spectrum fluoroquinolone antibiotic that works by inhibiting bacterial DNA replication, while sodium chloride serves as a diluent and electrolyte replenisher.

Composition

Each 100ml contains:

- **Ofloxacin I.P.: 200mg (Antibiotic)**
 - **Sodium Chloride I.P.: 900mg (Isotonic agent)**
 - **Water for Injection: q.s.**
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Indications

This infusion is indicated for the treatment of:

- **Respiratory tract infections** (e.g., bronchitis, pneumonia).
 - **Urinary tract infections (UTIs).**
 - **Skin and soft tissue infections.**
 - **Gastrointestinal infections, including diarrhea** caused by susceptible organisms.
 - **Bone and joint infections.**
 - **Infections in immunocompromised patients.**
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Mechanism of Action

1. **Ofloxacin:** A fluoroquinolone that inhibits bacterial DNA gyrase and topoisomerase IV, enzymes essential for DNA replication and transcription, leading to bacterial cell death.

2. **Sodium Chloride:** Helps maintain isotonicity of the solution and restores electrolyte balance during dehydration or illness.
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Dosage and Administration

- **Adult Dose:** 200–400mg administered as an IV infusion every 12 hours, depending on the severity of infection and patient response.
 - **Infusion Rate:** Administer over 30–60 minutes to prevent irritation or vein discomfort.
 - **Dosage adjustment** may be required in patients with renal impairment.
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Contraindications

- **Hypersensitivity to ofloxacin, other fluoroquinolones, or any components of the infusion.**
 - **Patients with a history of tendon disorders related to fluoroquinolone use.**
 - **Pediatric patients** (as safety and efficacy are not established).
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Warnings and Precautions

- **Tendinitis and Tendon Rupture:** Use cautiously in elderly patients and those on corticosteroids.
 - **Central Nervous System Effects:** May cause seizures, dizziness, or confusion; use cautiously in patients with a history of epilepsy.
 - **Photosensitivity:** Avoid excessive exposure to sunlight or UV light during treatment.
 - **QT Prolongation:** Monitor in patients with heart rhythm disorders or those on other QT-prolonging drugs.
 - **Renal Impairment:** Dosage adjustment may be necessary.
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Side Effects

Common:

- Nausea, vomiting, or diarrhea.
- Headache or dizziness.
- Local infusion site reactions (e.g., redness, swelling).

Rare but Serious:

- Tendon rupture or tendinitis.
- Allergic reactions (e.g., rash, itching, swelling).
- QT interval prolongation and arrhythmia.
- Peripheral neuropathy.

Drug Interactions

- **Antacids and Iron Supplements:** May reduce the absorption of ofloxacin; administer at different times.
- **Warfarin:** Enhanced anticoagulant effect; monitor INR levels.
- **Drugs that Prolong QT Interval:** Increased risk of cardiac arrhythmias.

Storage Instructions

- Store at a temperature below 25°C.
- Protect from light and do not freeze.
- Use immediately after opening and discard any unused portion.

Presentation

- **Form:** Intravenous Infusion
- **Packaging:** Available in 100ml and 200ml bottles with a sterile, clear solution.

Key Benefits

1. **Broad-Spectrum Antibiotic:** Effective against a wide range of gram-positive and gram-negative bacteria.
2. **Convenient Infusion:** Provides systemic antibacterial action, ideal for moderate to severe infections.
3. **Electrolyte Balance:** Sodium chloride helps maintain hydration and isotonicity.

Conclusion

Ofloxacin I.P. 200mg + Sodium Chloride I.P. 900mg Infusion is a reliable treatment for various bacterial infections. Its broad-spectrum activity and ease of administration make it an effective choice in clinical settings. Always administer under the supervision of a healthcare professional.

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